

Title (en)  
HYBRID TRACTION SYSTEM

Title (de)  
HYBRIDANTRIEBSSYSTEM

Title (fr)  
SYSTEME DE TRACTION HYBRIDE

Publication  
**EP 1954515 B1 20090715 (EN)**

Application  
**EP 06795185 A 20060801**

Priority  
• IB 2006002089 W 20060801  
• IT MO20050209 A 20050805

Abstract (en)  
[origin: WO2007017719A2] A hybrid traction system for the traction of a vehicle comprises an internal combustion engine (2, 102) , at least a first electric machine (5, 105) and at least a second electric machine (8; 108) , first transmission means (3; 103, 104, 104b) suitable for being connected mechanically to said internal combustion engine and to at least one of said electric machines (5; 105) , second transmission means (6; 106) suitable for being connected mechanically to at least one of said electric machines (8; 108) and to the wheels of the vehicle; the system comprises furthermore connecting or restraining means (15; 21; 111) suitable for enabling mechanical power to be transmitted to the wheels of the vehicle only by the internal combustion engine (2; 102) through said first transmission means (3; 103, 104, 104b) and said second transmission means (6; 106) .

IPC 8 full level  
**B60K 6/445** (2007.10); **B60K 6/387** (2007.10); **B60K 6/442** (2007.10); **B60L 50/16** (2019.01)

CPC (source: EP KR US)  
**B60K 6/38** (2013.01 - KR); **B60K 6/387** (2013.01 - EP US); **B60K 6/442** (2013.01 - EP KR US); **B60K 6/445** (2013.01 - KR); **B60K 6/50** (2013.01 - KR); **B60L 7/18** (2013.01 - EP US); **B60L 15/2045** (2013.01 - EP US); **B60L 50/16** (2019.01 - EP US); **B60L 50/61** (2019.01 - EP US); **B60L 2240/12** (2013.01 - EP US); **B60L 2240/421** (2013.01 - EP US); **B60L 2240/423** (2013.01 - EP US); **B60L 2240/441** (2013.01 - EP US); **B60L 2240/443** (2013.01 - EP US); **B60L 2240/461** (2013.01 - EP US); **B60L 2240/486** (2013.01 - EP US); **B60L 2240/507** (2013.01 - EP US); **B60Y 2400/607** (2013.01 - EP US); **Y02T 10/62** (2013.01 - EP US); **Y02T 10/64** (2013.01 - EP US); **Y02T 10/70** (2013.01 - EP); **Y02T 10/7072** (2013.01 - EP US); **Y02T 10/72** (2013.01 - EP US); **Y10S 903/906** (2013.01 - EP US)

Cited by  
WO2012146376A3; US11465610B2; DE102011018959A1; WO2012146376A2; WO2019242798A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2007017719 A2 20070215**; **WO 2007017719 A3 20070426**; CN 101272925 A 20080924; CN 101272925 B 20120321; DE 602006007874 D1 20090827; EP 1954515 A2 20080813; EP 1954515 B1 20090715; ES 2328518 T3 20091113; IT MO20050209 A1 20070206; JP 2009502647 A 20090129; KR 20080056713 A 20080623; US 2009139784 A1 20090604; US 8091660 B2 20120110

DOCDB simple family (application)  
**IB 2006002089 W 20060801**; CN 200680035137 A 20060801; DE 602006007874 T 20060801; EP 06795185 A 20060801; ES 06795185 T 20060801; IT MO20050209 A 20050805; JP 2008524611 A 20060801; KR 20087004568 A 20080226; US 99002206 A 20060801